



K-SERVO 3500 9Y C CY

Description : EMC-compliant, Low capacity screened motor connection cable with black coded cores, 0.6/1kV.

Design:



Construction : Flexible bare copper conductors according to CEI 20-29 Class 5 and DIN-VDE 0295 K5
 Special PP Thermo-Plastic insulation compound
 Power Black coded cores (U/L1/C/L+ ; V/L2 ; W/L3/D/L) + GY core
 N. 1 control pair black numbered (5 + 6)
 Double shielded with aluminium polyester tape and tinned copper wires braiding under polyester tape.
 Total Polyester Tape
 Tinned copper wires braiding with coverage 85%
 Special PVC outer sheath compound type TM2 according to CEI 20-11, VDE 0207

Manufacturing's Controls: Test and Control according to our certificated **ISO 9001-2015 CSQ-IMQ (EQ-NET)** Quality System procedure.
 Labor tests reports are stored in our internal Q.C. laboratory archive together with the production reports

Norms: Flame retardant, Test method B according to DIN VDE 0472 part 804, IEC 60332-1,
 Oil resistant according: DIN EN 50290-2-22 resp. VDE 0819-102, TM54.
 The cable is conform to Low Voltage Directive (LVD) 2014/35/EU CE

Technical dates :

- Nominal voltage : 600/1.000V.
- Spark Test voltage : 6000 V
- Working temperature: Occasional flexing: -5°C to +70°C
 Fixed installation: -40°C to +80°C
- Minimum bending radius Occasional flexing: 20 x outer Ø
 Fixed installation: 6 x outer Ø

Use : Servo motors are frequently assembled to combine signal and supply cables. Control pairs for motor temperature and/or brake function monitoring are for instance integrated. The advantages are: saving space and weight, easy to assemble, reliability and stability.
 Wherever drives form a single unit together with cable, frequency converter and motor, and the potential for electromagnetic interference is high because of this. Suitable for Automotive systems, Machine tool manufacturing, Production plants.
 This cable is suitable for free, not continuously returning movement without tensile stress or compulsory guidance as well as for fixed laying.